HEARING RESEARCH

Vol. 146, Nos. 1–2
August 2000

CONTENTS

Cited in: Biological Abstracts (BIOSIS); Chemical Abstracts; Current Contents/Life Sciences; Current Awareness in Biological Sciences (CABS); Excerpta Medica (EMBASE); Index Medicus; INSPEC; PASCAL M; Reference Update

Research Papers

Y.-J. Nam, T. Stöver, S.S. Hartman and R.A. Altschuler (Germany, USA)
Upregulation of glial cell line-derived neurotrophic factor (GDNF) in the rat cochlea following noise 1

J.H. Lee, S.J. Kim, S.J. Jung, W. Lim, K.W. Kim and J. Kim (South Korea)
Voltage-dependent K^+ currents in spiral prominence epithelial cells of rat cochlea 7

J.C. Holt, A.M. Pantoja, G.B. Athas and P.S. Guth (Colombia, USA)
A role for chloride in the hyperpolarizing effect of acetylcholine in isolated frog vestibular hair cells 17

Y. Ohinata, T. Yamasoba, J. Schacht and J.M. Miller (Japan, USA)
Glutathione limits noise-induced hearing loss 28

G.M. Watson and S. Venable-Thibodeaux (USA)
Immunological evidence that anemone repair proteins include replacement linkages 35

P. Kummer, T. Janssen, P. Hulin and W. Arnold (Germany)
Optimal L_1-L_2 primary tone level separation remains independent of test frequency in humans 47

C.Q. Huang and R.K. Shepherd (Australia)
Reduction in excitability of the auditory nerve following electrical stimulation at high stimulus rates: V. Effects of electrode surface area 57

S. Freeman, J.-Y. Sichel and H. Sohmer (Israel)
Bone conduction experiments in animals – evidence for a non-osseous mechanism 72

H. Sohmer, S. Freeman, M. Geal-Dor, C. Adelman and I. Savion (Israel)
Bone conduction experiments in humans – a fluid pathway from bone to ear 81

S. Kapadia and M.E. Lutman (UK)
Nonlinear temporal interactions in click-evoked otoacoustic emissions. I. Assumed model and polarity-symmetry 89

S. Kapadia and M.E. Lutman (UK)
Nonlinear temporal interactions in click-evoked otoacoustic emissions. II. Experimental data 101

A.M. Surin, U. Reimann-Philipp and L.D. Fechter (USA)
Simultaneous monitoring of slow cell motility and calcium signals of the guinea pig outer hair cells 121

F. Shoji, A.L. Miller, A. Mitchell, T. Yamasoba, R.A. Altschuler and J.M. Miller (USA)
Differential protective effects of neurotrophins in the attenuation of noise-induced hair cell loss 134

Contents continued on inside back cover

CONTENTS Direct

This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: **www.elsevier.nl/locate/contentsdirect**

0378-5955(200008)146:1/2;1-9

(Contents continued from back cover)

L.A. Cartee, C. van den Honert, C.C. Finley and R.L. Miller (USA)
Evaluation of a model of the cochlear neural membrane. I. Physiological measurement of membrane characteristics in response to intrameatal electrical stimulation 143

L.A. Cartee (USA)
Evaluation of a model of the cochlear neural membrane. II: Comparison of model and physiological measures of membrane properties measured in response to intrameatal electrical stimulation 153

A. Recio and W.S. Rhode (USA)
Representation of vowel stimuli in the ventral cochlear nucleus of the chinchilla 167

I.W. Stuermer and H. Scheich (Germany)
Early unilateral auditory deprivation increases 2-deoxyglucose uptake in contralateral auditory cortex of juvenile Mongolian gerbils 185

Author Index Volume 146 200

Subject Index Volume 146 202

Instructions to Authors 205

Announcement